A case report of maxillary IARPD using magnetic attachments and anterior milling teeth

A. Tokue[1], H. Shimpo[1], D. Kurihara[1], Y. Suzuki[1], N. Harada[2], and C. Ohkubo[1]

[1]Department of Removable Prosthodontics, Tsurumi University School of Dental Medicine

[2]Dental Technician Training Institute, Tsurumi University School of Dental Medicine

Abstract

The patient was a 51-years old female with partially edentulous maxillary jaw (six anterior teeth remained, Kennedy classification I, Eichner classification B4). Her chief complaint were difficulties of mastication using existing denture and bad esthetic by metal clasps on the anterior teeth. Prosthetic rehabilitation was planned using an implant assisted removable partial denture (IARPD) with magnetic attachments and milling crowns on the anterior teeth.

Two implants were placed in the regions of # 14 and # 24 and custom abutments with magnetic attachments were set on the implants. The porcelain fused to metal crowns with milling on their lingual sides were placed on the six anterior teeth. IARPD with Co-Cr framework were delivered.

Sufficient retention and stability could be provided by the combination of milling crowns and magnetic attachments, and satisfactory aesthetic and function could be achieved using the IARPD.